

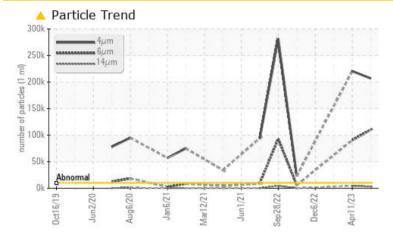
## **PROBLEM SUMMARY**

# BOSS ROSS DRAW 3031-TANKS (S/N 120969)

**Compressor** 

#### TULCO LUBSOIL LPG WS 150 (10 GAL)

#### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### **PROBLEMATIC TEST RESULTS** Sample Status ABNORMAL ABNORMAL ABNORMAL Particles >4µm ASTM D7647 >10000 206912 **A** 220349 Particles >6µm ASTM D7647 >1300 110181 ▲ 90366 Particles >14µm ASTM D7647 >320 3151 **4**481 Particles >21µm ASTM D7647 >80 ▲ 723 **Oil Cleanliness** ISO 4406 (c) >20/17/15 🔺 25/24/19 🔺 25/24/19

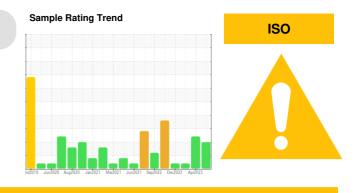
Customer Id: RICHOB Sample No.: TO90003379 Lab Number: 05867351 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter	MISSED	Dec 01 2023	?	We recommend you service the filters on this component.		

#### HISTORICAL DIAGNOSIS



11 Apr 2023 Diag: Don Baldridge

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

# view report

view report

#### 23 Feb 2023 Diag: Don Baldridge





We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

VIS DEBRIS

#### 06 Dec 2022 Diag: Don Baldridge

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.







### **OIL ANALYSIS REPORT**

# BOSS ROSS DRAW 3031-TANKS (S/N 120969)

Compressor

TULCO LUBSOIL LPG WS 150 (10 GAL)

#### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### Wear

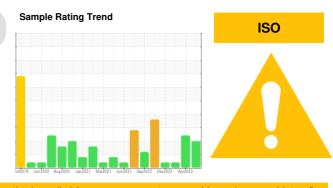
All component wear rates are normal.

#### Contamination

There is a high amount of particulates present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003379	TO90002802	TO90002919
Sample Date		Client Info		24 May 2023	11 Apr 2023	23 Feb 2023
Machine Age	hrs	Client Info		15100	14377	13510
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m		<1	4	7
Tin	ppm	ASTM D5185m	>15	2	0	<1
Vanadium	ppm	ASTM D5185m	210	<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	0	1	0	0
Calcium		ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	0	243	239	268
Zinc	ppm		0	0	0	<1
Sulfur	ppm ppm	ASTM D5185m	0	1819	1333	1231
CONTAMINANTS	PP	method	limit/base	current	history1	history2
Silicon	0000	ASTM D5185m	>25	1	0	0
Sodium	ppm	ASTM D5185m	>20	5	13	25
	ppm	ASTM D5185m	>20		<1	1
Potassium Water	ppm %	ASTM D5185III	>2.26	2 1.96	1.75	1.30
ppm Water	ppm	ASTM D6304 ASTM D6304	>22.20	19600	17500	13000
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm	_00	ASTM D7647	>10000	▲ 206912	220349	
Particles >6µm		ASTM D7647 ASTM D7647	>1300	200912 110181	▲ 90366	
Particles >14µm		ASTM D7647 ASTM D7647	>320	▲ 3151	▲ 4481	
Particles >21µm		ASTM D7647 ASTM D7647	>80	▲ 89	▲ 723	
Particles >38µm		ASTM D7647 ASTM D7647	>20	2	▲ 723 ▲ 37	
Particles >71µm		ASTM D7647 ASTM D7647	>4	0	2	
Oil Cleanliness		ISO 4406 (c)	>4 >20/17/15	↓ 25/24/19	25/24/19	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	-11110 0430	0.34	0.25	0.248
	my ivor i/y	70 IN D0040		0.07	0.20	0.240

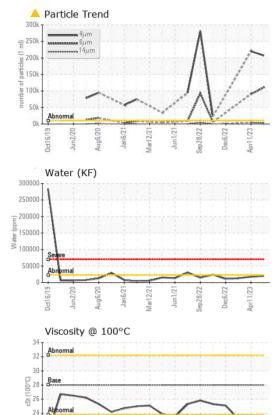


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## **OIL ANALYSIS REPORT**

Color

Bottom



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	127	121	124
Visc @ 100°C	cSt	ASTM D445	28	22.1	21.9	23.2
Viscosity Index (VI)	Scale	ASTM D2270	224	203	209	218
SAMPLE IMAGES		method	limit/base	current	history1	history2
					169	

